

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG050815\  
 Data File : BG017009.D  
 Acq On : 10 May 2015 2:44  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 11 01:28:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                     | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|------------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0    | 107   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 33.782 | 15.5   | 96    | -0.01    |
| 3    | Pyridine                     | 40.000 | 35.168 | 12.1   | 96    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.408 | 4.0    | 110   | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.535 | 6.8    | 104   | -0.01    |
| 6    | Aniline                      | 40.000 | 38.585 | 3.5    | 108   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 78.922 | 1.3    | 111   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.184 | 2.0    | 111   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 36.621 | 8.4    | 102   | -0.02    |
| 10 C | Phenol                       | 40.000 | 40.277 | -0.7   | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.601 | 6.0    | 105   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 35.141 | 12.1   | 100   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.179 | 9.6    | 101   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.745 | 8.1    | 103   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 39.948 | 0.1    | 112   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.624 | 13.4   | 99    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 38.663 | 3.3    | 108   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 36.538 | 8.7    | 103   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.171 | 4.6    | 109   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.880 | -2.2   | 114   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 109   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 38.310 | 4.2    | 112   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.999 | 1.3    | 117   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 39.334 | 1.7    | 116   | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.797 | 5.5    | 112   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.284 | -5.7   | 123   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.900 | 2.8    | 112   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.661 | 8.3    | 111   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.040 | -0.1   | 117   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.237 | 6.9    | 109   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 36.777 | 8.1    | 110   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 51.038 | -27.6# | 159   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 40.063 | -0.2   | 116   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 35.461 | 11.3   | 106   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 40.394 | -1.0   | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.897 | -4.7   | 123   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.651 | 5.9    | 113   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 120   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 35.851 | 10.4   | 112   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 32.238 | 19.4   | 102   | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.478 | -6.8   | 135   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.917 | 2.7    | 116   | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.413 | 1.5    | 121   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 71.907 | 10.1   | 112   | -0.02    |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 36.416 | 9.0   | 114   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.065 | 7.3   | 116   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 46.144 | -15.4 | 141   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.414 | 9.0   | 114   | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 37.443 | 6.4   | 118   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.597 | -6.5  | 128   | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 36.295 | 9.3   | 114   | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 44.766 | -11.9 | 133   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 43.466 | -8.7  | 143   | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 37.278 | 6.8   | 115   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 42.410 | -6.0  | 131   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 47.769 | -19.4 | 145   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.637 | 5.9   | 118   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.654 | -4.1  | 125   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.009 | 5.0   | 120   | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.183 | 7.0   | 119   | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 42.781 | -7.0  | 132   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.208 | 4.5   | 120   | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 123   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.576 | -16.4 | 153   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.443 | 8.9   | 120   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.187 | 4.5   | 126   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 36.896 | 7.8   | 123   | -0.01    |
| 68   | Atrazine                   | 40.000 | 36.425 | 8.9   | 117   | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 39.684 | 0.8   | 126   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.218 | 9.5   | 118   | -0.01    |
| 71   | Anthracene                 | 40.000 | 36.422 | 8.9   | 119   | -0.01    |
| 72   | Carbazole                  | 40.000 | 36.035 | 9.9   | 116   | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 36.135 | 9.7   | 117   | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 36.155 | 9.6   | 116   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 112   | -0.02    |
| 76   | Benzidine                  | 40.000 | 34.657 | 13.4  | 99    | -0.02    |
| 77   | Pyrene                     | 40.000 | 37.840 | 5.4   | 114   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 78.148 | 2.3   | 116   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.258 | 1.9   | 117   | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.228 | 4.4   | 114   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.021 | 4.9   | 113   | -0.02    |
| 82   | Chrysene                   | 40.000 | 38.887 | 2.8   | 116   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.642 | 3.4   | 114   | -0.03    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.144 | 4.6   | 112   | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.575 | 1.1   | 122   | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 116   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.018 | 5.0   | 117   | -0.03    |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.983 | 7.5  | 114  | -0.03      |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.712 | 5.7  | 116  | -0.03      |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.288 | 4.3  | 120  | -0.05      |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 37.760 | 5.6  | 121  | -0.03      |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0